

Date: Mon, 3 May 93 16:51:12 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #533  
To: Info-Hams

Info-Hams Digest                      Mon, 3 May 93                      Volume 93 : Issue 533

Today's Topics:

"RE: Best HT to work Oscars"  
FCC Rules on Transmission  
MAGNETIC Loop ANTENNA  
no-code defense (2 msgs)  
re NiMH cells  
SAREX Update 5/3 @20:00 UTC  
Sencor help  
STS-55 Element Set GSFC-018  
STS-55 Rise & Set Times  
Sueing Jammers (Was: Re: "Busting" Jam  
Two-Line Orbital Element Set: Space Shuttle  
UPS Problems  
Zed in callsign: what is it, where come from?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 3 May 93 22:36:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: "RE: Best HT to work Oscars"  
To: info-hams@ucsd.edu

usc!howland.reston.ans.net!usenet.ins.cwru.edu!cleveland.Freenet.Edu!ag447  
@network.UCSD.EDU

asks:

"what are the best ht's that will work voice on the oscars"

answer:

The short answer is "NONE of them". HTs transmit and receive FM, which is very inefficient in its use of transmitter power supply. FM also requires a lot stronger received signal than SSB or CW in order to be copyable. Since there is ALWAYS a shortage of power on amateur satellites, all-but-one STRONGLY discourage the use of FM (or plain AM).

With the present ham satellites, an HT (with just a whip antenna) would be some 10s of dB below what is required for working through the Oscars. You need to be able to transmit on one band and listen on another at the same moment (full duplex). Some all-mode VHF/UHF rigs allow this. For voice operation, most people would suggest beams of at least a half-dozen elements for both transmitter and receiver.

The AMSAT Phase 3D project intends to provide a satellite which will be easier to work, but it will be 3-or-so years in coming.

AMSAT's phone is 301-589-6062.

73, Bob W30TC

-----  
Date: 3 May 93 15:40:42 CDT  
From: swrinde!sdd.hp.com!ux1.cso.uiuc.edu!uchinews!raistlin!timbuk.cray.com!  
hemlock.cray.com!cherry10!dadams@network.UCSD.EDU  
Subject: FCC Rules on Transmission  
To: info-hams@ucsd.edu

In article 172287@locus.com, dana@lando.la.locus.com (Dana H. Myers) writes:

|I believe a licensed amateur may operate a remote-control transmitter  
|in a model craft at power levels not to exceed 1W without regularly  
|identifying, but a license is still required.  
|

But then even non licenced hobbists can use remote controled model  
airplanes, boats, cars etc. How are they able to do this? What  
frequencies do they use. (I suppose they are not allowed to build  
their own transmitters, and that that is probably one of the differences.)

---

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

They moved all the streets around while you were sleeping last night.

-----  
Date: 3 May 93 21:10:16 GMT  
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!news.cso.uiuc.edu!usenet@network.UCSD.EDU  
Subject: MAGNETIC Loop ANTENNA  
To: info-hams@ucsd.edu

In <1993May3.195249.22027@news.DKRZ-Hamburg.DE> k202023@smog.DKRZ-Hamburg.DE  
(C.FOERSTER) writes:

> Hello,worldwide,  
> I just start operating a semi-professional magnetic Loop-Antenna (AMA-6).  
> (Freq : 6.9 - 25 Mc / Diameter : 80cm). Anyone with experience in  
> such antennas?

I have built a 90cm loop antenna as an afternoon project, using 2mm wire + a capacitor with 2mm spacing. It tunes 12-30MHz. At the floor level, it works as well as the attic dipole on 18MHz, or better when conditions are ending. The wire is getting slightly worm on 14MHz but stays coll at 18MHz and up. I have heard that the losses of the loop increase as the 4th power of the frequency. Consequently, to cover next 30% lower frequency one needs 2-3 times thicker wire (or tube). Consequently, building a loop antenna with a 90cm diameter and 18 MHz lowest frequency is trivial, it is somewhat more complicated at 14MHz, and becomes a challenge at 10MHz.

-----  
Ignacy Misztal                      Ham radio: N09E, SP8FWB  
Internet: ignacy@uiuc.edu        Bitnet: ignacy@uiucvmd.bitnet  
University Of Illinois            1207 W. Gregory Dr., Urbana, IL 61801, USA  
tel. (217) 244-3164              Fax: (217) 333-8286  
-----

Date: 3 May 93 15:11:35 GMT  
From: zds-ux!bjstaff@uunet.uu.net  
Subject: no-code defense  
To: info-hams@ucsd.edu

> So, ladies and gentlemen, why don't we take an informal poll here on  
> the net: give your callsign and state whether you support the no-code  
> license or feel it was a bad idea. I'll start:  
>  
> I'm NH6IL and I'm against the no-code license.

I'm AA8IF and I'm in favor of the no-code license.

73,

+=====+  
| Brad Staff                      616-982-5791 (tel)            |  
| Zenith Data Systems            616-982-5997 (fax)            |  
| Hilltop Road                   b.staff@zds.com               |  
| St. Joseph, MI 49085           aa8if                            |  
+=====+

-----  
Date: 3 May 93 23:02:01 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: no-code defense  
To: info-hams@ucsd.edu

Myron A. Calhoun, W0PBV says:

Regardless of the pro's and con's for using the code itself,  
it did provide one commonality for all hams.

I say:

This was true but isn't the same commonality provided by 2m FM these  
days? Either HT, mobile, or a shack setup most will include a 2m FM rig.

Times change. CW is fun. FM is useful.

I'm for rec.radio.amateur.flame :-)

73

Kevin Purcell N7WIM / G8UDP (still a nocode in the UK!)  
a-kevinp@microsoft.com  
"We conjure the spirits of the computer with our spells"

-----  
Date: Mon, 3 May 1993 19:02:55 GMT  
From: panix!schuster@nyu.arpa  
Subject: re NiMH cells  
To: info-hams@ucsd.edu

In article <9305031339.AA02678@kropotkin.gnu.ai.mit.edu> mjkarpgnu.ai.mit.EDU  
writes:

>  
>There have been several recent references to "NiMH cells." Since when does the  
>National Institute of Mental Health advocate the use of such devices? Or is  
>there perhaps another explanation?

NiMH = Nickel Metal Hydride  
      ^^      ^      ^

a rechargeable cell with higher capacity than Nicad and no memory effect.

--  
Mike Schuster | schuster@panix.com | 70346.1745@CompuServe.COM  
----- | schuster@shell.portal.com | GENie: MSCHUSTER

-----  
Date: 3 May 93 20:27:40 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: SAREX Update 5/3 @20:00 UTC  
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-55.020  
SAREX Update 5/3 @ 20:00 UTC

I have just obtained the following e-mail from Lou McFadin W5DID at the Johnson Space Center:

The crew just reported that the N connector was pulled out of the SAREX antenna cable. This prevents further operation using the SAREX window antenna. We are in process of obtaining permission to conduct further SAREX ops from the module using the SAFEX (Payload bay mounted) antenna. We are also asking for permission to plug the Packet module into the DC outlet in the module. Previous permissions only allowed battery ops in the module.

This means that voice and packet ops are somewhat questionable for the next couple of hours; we will keep you posted.

Submitted by Frank Bauer, KA3HDO for the SAREX Working Group

/EX

-----  
Date: 3 May 93 23:12:19 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Sencor help  
To: info-hams@ucsd.edu

A couple of years ago I purchased a Sencor model S 1177 HP AM / FM car cassette player.

The unit was purchased in Asia and has worked fine except the AM broadcast band tuning step is the European 9 khz spacing.

The main processor inside the player is a Sanyo LC 7230 controller, which seems to have its own ROM coding and RAM internal to the chip.

The front panel controls that handle tuning and general operation address this chip.

Does anyone know how to reprogram this unit for 10 khz tuning step size ?

I suspect that a certain key sequence from the front panel on power up may do it, but I am only guessing.

Any help would be appreciated.

-----  
Date: 3 May 93 20:05:27 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: STS-55 Element Set GSFC-018  
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-55.019  
STS-55 Element Set GSFC-018

Enclosed is the latest Keplerian data for STS-55 as generated by Ron Parise, WA4SIR at the Goddard Space Flight Center. Element Set GSFC-018 is currently only 1 second later than set GSFC-013.

STS-55

1 22640U 93 27 A 93123.25305914 0.00042450 00000-0 11791-3 0 181  
2 22640 28.4600 219.3897 0013548 312.9549 46.9926 15.92061423 1076

Satellite: STS-55

Catalog number: 22640

Epoch time: 93123.25305914 (03 MAY 93 06:04:24.31 UTC)

Element set: GSFC-018

Inclination: 28.4600 deg

RA of node: 219.3897 deg Space Shuttle Flight STS-55

Eccentricity: 0.0013548 Keplerian Elements

Arg of perigee: 312.9549 deg

Mean anomaly: 46.9926 deg

Mean motion: 15.92061423 rev/day Semi-major Axis: 6674.6472 Km

Decay rate: 0.42E-03 rev/day\*2 Apogee Alt: 305.30 Km

Epoch rev: 107 Perigee Alt: 287.22 Km

NOTE - This element set is based on NORAD element set # 018.

The spacecraft has been propagated to the next ascending node, and the orbit number has been adjusted to bring it into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

-----  
Date: 3 May 93 20:39:23 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: STS-55 Rise & Set Times  
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-55.021  
STS-55 Eastern US Rise&Set 5/4-6

Below are the rise and set times for STS-55 for selected US cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that the times shown are UTC and NOT LOCAL TIME. This listing includes only those passes with an elevation greater than 5 degrees. For information regarding SAREX frequencies and operations procedures, check your local PBBS, or bulletins from W1AW, W5RRR, W6VIO or WA3NAN.

New York City

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	09:26:26	09:29:42	09:32	6	A-E	125
04May93	11:01:28	11:04:41	11:07	5	D-W	126
05May93	09:32:22	09:35:43	09:38	6	D-E	141
06May93	08:03:33	08:06:41	08:09	5	A-E	156
06May93	09:38:24	09:41:39	09:44	6	D-W	157

Washington D.C.

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	09:25:25	09:29:04	09:32	8	A-E	125
04May93	11:00:26	11:04:08	11:07	9	D-W	126
05May93	07:56:57	08:00:05	08:02	5	A-E	140
05May93	09:31:22	09:35:07	09:38	9	D-E	141
05May93	11:06:44	11:10:11	11:13	7	D-W	142
06May93	08:02:38	08:06:01	08:08	7	A-E	156
06May93	09:37:23	09:41:05	09:44	9	D-W	157

Atlanta, GA

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	07:48:40	07:52:02	07:54	6	A-E	124
04May93	09:22:56	09:27:14	09:31	19	A-E	125
04May93	10:58:07	11:02:36	11:06	25	D-W	126
04May93	12:33:43	12:37:56	12:41	16	D-W	127
05May93	07:54:13	07:58:07	08:01	11	A-E	140
05May93	09:28:59	09:33:24	09:37	23	A-E	141
05May93	11:04:22	11:08:47	11:12	23	D-W	142
05May93	12:40:10	12:44:03	12:47	10	D-W	143
06May93	08:00:05	08:04:09	08:07	16	A-E	156
06May93	09:35:09	09:39:29	09:43	25	D-E	157
06May93	11:10:34	11:14:51	11:18	18	D-W	158
* 06May93	12:46:47	12:50:03	12:52	6	D-W	159
* Landing scheduled for 13:02 UTC in Florida on orbit 159						

Miami, FL

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	06:13:29	06:16:52	06:19	6	A-E	123
04May93	07:47:47	07:52:12	07:56	36	A-E	124
04May93	09:23:12	09:27:51	09:32	56	A-W	125
04May93	10:59:01	11:03:40	11:07	45	D-E	126
04May93	12:34:42	12:39:25	12:43	70	D-W	127
04May93	14:10:43	14:14:51	14:18	14	D-W	128
05May93	06:18:56	06:23:00	06:26	14	A-E	139
05May93	07:53:57	07:58:28	08:02	73	A-E	140
05May93	09:29:36	09:34:12	09:38	44	A-W	141
05May93	11:05:21	11:10:02	11:14	58	D-E	142
05May93	12:41:04	12:45:39	12:49	35	D-W	143
05May93	14:17:37	14:20:59	14:23	6	D-W	144
06May93	06:24:47	06:29:06	06:32	27	A-E	155
06May93	08:00:10	08:04:41	08:08	66	A-W	156
06May93	09:35:58	09:40:29	09:44	42	D-E	157
06May93	11:11:35	11:16:16	11:20	89	D-E	158
* 06May93	12:47:27	12:51:45	12:55	18	D-W	159
* Landing scheduled for 13:02 UTC in Florida on orbit 159						

Compiled by Dan Schultz, N8FGV

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group



/EX

SB SAREX @ AMSAT \$STS-55.022

STS-55 Central US Rise&Set 5/4-6

Below are the rise and set times for STS-55 for selected US cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that the times shown are UTC and NOT LOCAL TIME. This listing includes only those passes with an elevation greater than 5 degrees. For information regarding SAREX frequencies and operations procedures, check your local PBBS, or bulletins from W1AW, W5RRR, W6VIO or WA3NAN.

Chicago, IL

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	10:58:49	11:01:54	11:04	5	D-E	126
06May93	09:35:52	09:38:53	09:41	5	D-E	157

Huntsville, AL

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	09:22:40	09:26:48	09:30	15	A-E	125
04May93	10:57:43	11:02:06	11:05	21	D-W	126
04May93	12:33:15	12:37:24	12:41	14	D-W	127
05May93	07:54:07	07:57:44	08:00	8	A-E	140
05May93	09:28:39	09:32:56	09:36	18	A-E	141
05May93	11:03:56	11:08:16	11:12	19	D-W	142
05May93	12:39:42	12:43:30	12:46	10	D-W	143
06May93	07:59:51	08:03:44	08:07	12	A-E	156
06May93	09:34:46	09:39:00	09:42	21	D-E	157
06May93	11:10:07	11:14:19	11:18	16	D-W	158
* 06May93	12:46:18	12:49:29	12:52	5	D-W	159

\* Landing scheduled for 13:02 UTC in Florida on orbit 159

Houston, TX

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	07:46:01	07:49:19	07:52	6	A-E	124
04May93	09:20:15	09:24:35	09:28	26	A-E	125

04May93	10:55:27	11:00:07	11:04	62	A-E	126
04May93	12:31:03	12:35:43	12:39	52	D-W	127
04May93	14:06:50	14:11:09	14:14	18	D-W	128
05May93	07:51:28	07:55:26	07:58	12	A-E	140
05May93	09:26:21	09:30:48	09:34	40	A-E	141
05May93	11:01:44	11:06:24	11:10	66	D-E	142
05May93	12:37:22	12:41:57	12:46	35	D-W	143
05May93	14:13:25	14:17:17	14:20	10	D-W	144
06May93	07:57:18	08:01:29	08:05	21	A-E	156
06May93	09:32:28	09:36:58	09:40	56	A-E	157
06May93	11:07:56	11:12:35	11:16	58	D-W	158
* 06May93	12:43:39	12:48:03	12:51	22	D-W	159
* 06May93	14:20:17	14:23:18	14:25	5	D-W	160
* Landing scheduled for 13:02 UTC in Florida on orbit 159						

Seattle, WA

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
No passes above 5 degrees elevation						

Compiled by Dan Schultz, N8FGV

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group  
/EX

SB SAREX @ AMSAT \$STS-55.023

STS-55 Western US Rise&Set 5/4-6

Below are the rise and set times for STS-55 for selected US cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that the times shown are UTC and NOT LOCAL TIME. This listing includes only those passes with an elevation greater than 5 degrees. For information regarding SAREX frequencies and operations procedures, check your local PBBS, or bulletins from W1AW, W5RRR, W6VIO or WA3NAN.

Denver, CO

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	10:55:00	10:58:20	11:01	6	A-E	126
04May93	12:29:46	12:33:21	12:36	8	D-W	127
05May93	11:00:50	11:04:22	11:07	7	A-E	142
05May93	12:35:58	12:39:23	12:42	7	D-W	143

06May93	09:32:11	09:35:18	09:37	5	A-E	157
06May93	11:06:44	11:10:19	11:13	8	D-W	158
* 06May93	12:42:18	12:45:19	12:47	5	D-W	159

\* Landing scheduled for 13:02 UTC in Florida on orbit 159

#### Albuquerque, NM

##### STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	09:19:33	09:22:38	09:25	5	A-E	125
04May93	10:53:37	10:57:46	11:01	15	A-E	126
04May93	12:28:43	12:33:04	12:36	19	D-W	127
04May93	14:04:19	14:08:19	14:11	12	D-W	128
05May93	09:25:00	09:28:42	09:31	9	A-E	141
05May93	10:59:38	11:03:54	11:07	18	A-E	142
05May93	12:34:57	12:39:12	12:42	17	D-W	143
05May93	14:10:51	14:14:24	14:17	8	D-W	144
06May93	09:30:47	09:34:42	09:38	13	A-E	157
06May93	11:05:46	11:09:58	11:13	19	D-W	158
* 06May93	12:41:10	12:45:15	12:48	13	D-W	159

\* Landing scheduled for 13:02 UTC in Florida on orbit 159

#### Los Angeles, CA

##### STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	10:51:15	10:55:14	10:58	12	A-E	126
04May93	12:26:06	12:30:31	12:34	22	A-E	127
04May93	14:01:30	14:05:52	14:09	20	D-W	128
04May93	15:37:26	15:41:06	15:44	8	D-W	129
05May93	09:23:02	09:26:11	09:28	5	A-E	141
05May93	10:57:14	11:01:21	11:04	17	A-E	142
05May93	12:32:16	12:36:41	12:40	23	D-W	143
05May93	14:07:50	14:12:01	14:15	15	D-W	144
06May93	09:28:25	09:32:10	09:35	10	A-E	157
06May93	11:03:11	11:07:25	11:11	21	A-E	158
* 06May93	12:38:24	12:42:46	12:46	21	D-W	159
* 06May93	14:14:11	14:18:02	14:21	10	D-W	160

\* Landing scheduled for 13:02 UTC in Florida on orbit 159

#### Honolulu, HI

STS-55 Element Set GSFC-13

	date	rise	tca	set	el	geo	orbit
	04May93	10:41:53	10:45:19	10:48	7	A-E	126
	04May93	12:16:14	12:20:43	12:24	52	A-E	127
	04May93	13:52:03	13:56:26	14:00	27	A-W	128
	04May93	15:28:11	15:32:27	15:36	17	D-W	129
	04May93	17:04:00	17:08:31	17:12	25	D-E	130
	04May93	18:39:36	18:44:18	18:48	67	D-W	131
	04May93	20:15:59	20:19:43	20:22	9	D-W	132
	05May93	10:47:20	10:51:29	10:55	16	A-E	142
	05May93	12:22:30	12:27:00	12:31	65	A-W	143
	05May93	13:58:36	14:02:51	14:06	20	A-W	144
	05May93	15:34:38	15:38:56	15:42	18	D-E	145
	05May93	17:10:16	17:14:54	17:19	40	D-E	146
	05May93	18:46:00	18:50:31	18:54	28	D-W	147
	06May93	10:53:13	10:57:36	11:01	34	A-E	158
*	06May93	12:28:50	12:33:15	12:37	33	A-W	159
*	06May93	14:05:04	14:09:14	14:12	17	D-W	160
*	06May93	15:40:54	15:45:18	15:49	21	D-E	161
*	06May93	17:16:28	17:21:09	17:25	84	D-E	162
*	06May93	18:52:34	18:56:37	19:00	13	D-W	163
*	Landing scheduled for 13:02 UTC in Florida on orbit 159						

Compiled by Dan Schultz, N8FGV

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group  
/EX

SB SAREX @ AMSAT \$STS-55.024

STS-55 Worldwide Rise&Set 5/4-6

Below are the rise and set times for STS-55 for selected worldwide cities over the next three days. This data was generated to help hams without orbit programs to participate in the SAREX activities. Please note that the times shown are UTC and NOT LOCAL TIME. This listing includes only those passes with an elevation greater than 5 degrees. For information regarding SAREX frequencies and operations procedures, check your local PBBS, or bulletins from W1AW, W5RRR, W6VIO or WA3NAN.

London, England

STS-55 Element Set GSFC-13

```

date      rise      tca      set      el      geo      orbit
No passes above 5 degrees elevation

```

Paris, France

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
No passes above 5 degrees elevation						

Tokyo

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	16:51:19	16:54:24	16:56	5	A-E	130
04May93	18:25:24	18:29:31	18:33	14	A-E	131
04May93	20:00:31	20:04:47	20:08	17	D-W	132
04May93	21:36:09	21:40:00	21:43	10	D-W	133
05May93	16:56:47	17:00:27	17:03	9	A-E	146
05May93	18:31:25	18:35:39	18:39	17	A-E	147
05May93	20:06:45	20:10:55	20:14	15	D-W	148
05May93	21:42:45	21:46:04	21:48	6	D-W	149
* 06May93	17:02:35	17:06:27	17:09	12	A-E	162
* 06May93	18:37:33	18:41:42	18:45	17	D-W	163
* 06May93	20:12:59	20:16:56	20:20	12	D-W	164
* Landing scheduled for 13:02 UTC in Florida on orbit 159						

Sydney

STS-55 Element Set GSFC-13

date	rise	tca	set	el	geo	orbit
04May93	04:02:52	04:05:59	04:08	5	D-E	121
04May93	05:36:57	05:41:09	05:44	17	D-E	122
04May93	07:12:07	07:16:29	07:20	24	A-W	123
04May93	08:47:41	08:51:49	08:55	16	A-W	124
05May93	04:08:17	04:12:03	04:15	10	D-E	137
05May93	05:42:58	05:47:19	05:51	21	D-E	138
05May93	07:18:20	07:22:40	07:26	22	A-W	139
05May93	08:54:07	08:57:56	09:01	11	A-W	140
06May93	04:13:57	04:18:05	04:21	15	D-E	153
06May93	05:49:00	05:53:24	05:57	24	A-E	154
06May93	07:24:31	07:28:45	07:32	18	A-W	155
06May93	09:00:40	09:03:56	09:06	6	A-W	156

Compiled by Dan Schultz, N8FGV

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

-----  
Date: 3 May 93 15:23:01 CDT  
From: swrinde!sdd.hp.com!ux1.cso.uiuc.edu!uchinews!raistlin!timbuk.cray.com!  
hemlock.cray.com!cherry10!dadams@network.UCSD.EDU  
Subject: Sueing Jammers (Was: Re: "Busting" Jam  
To: info-hams@ucsd.edu

In article Cps@srigenprp.sr.hp.com, alanb@sr.hp.com (Alan Bloom) writes:

|I think the problem is that even if you prove that he was causing  
|malicious interference, you would collect little or no money. To be  
|awarded a judgement, you have to show a financial injury. Not being  
|able to talk on your favorite repeater wouldn't likely get you much  
|of an award.

|AL N1AL "Not a lawyer"  
|

What if you can claim or show that some rescue operations were hindered  
or delayed?

---  
--David C. Adams Statistician Cray Research Inc. dadams@cray.com

They moved all the streets around while you were sleeping last night.

-----  
Date: Mon, 3 May 1993 21:58:27 GMT  
From: swrinde!sdd.hp.com!cs.utexas.edu!usc!howland.reston.ans.net!darwin.sura.net!  
haven.umd.edu!cs.umd.edu!afterlife!blackbird.afit.af.mil!tkelso@network.UCSD.EDU  
Subject: Two-Line Orbital Element Set: Space Shuttle  
To: info-hams@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are  
carried on the Celestial BBS, (513) 427-0674, and are updated daily (when  
possible). Documentation and tracking software are also available on this  
system. As a service to the satellite user community, the most current  
elements for the current shuttle mission are provided below. The Celestial  
BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using  
8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation  
and software are also available via anonymous ftp from archive.afit.af.mil  
(129.92.1.66) in the directory pub/space.

STS 55

1 22640U 93 27 A 93122.24999999 .00042636 00000-0 11930-3 0 160  
2 22640 28.4594 226.9083 0013262 304.5132 54.6481 15.91929165 893

--

Dr TS Kelso  
tkelso@afit.af.mil

Assistant Professor of Space Operations  
Air Force Institute of Technology

-----

Date: Mon, 3 May 1993 20:01:15 GMT  
From: news.acns.nwu.edu!casbah.acns.nwu.edu!lapin@network.UCSD.EDU  
Subject: UPS Problems  
To: info-hams@ucsd.edu

In article <C6GFuA.94w@amdc12> brian@amdc12.amd.com (Brian McMinn, N5PSS) writes:

>Pete Rossi writes:

>> UPS does not seem to follow

>> delivery instructions very well. I had something sent to me COD once and

>> when I got home from work there was the package sitting on my doorstep.

>>

>> THE UPS GUY JUST LEFT IT THERE!! Without collecting anything!!

>

>I, too, have had problems with UPS -- the last incident was with an

>insured package the was clearly marked (with a UPS sticker) "adult

>signature required." It was left on my front doorstep and was visible

>from the street. I was glad it was insured.

>

>In the long run, we can't tell UPS how to run their business -- it

>might be cheaper for them to spend 30 seconds less per delivery and

>pay \$1000 every once in a while for a lost package.

>

>[Note the followup line -- let's try to keep this out of "swap"

>space.]

>

> Brian McMinn N5PSS brian.mcminn@amd.com

I'm sure that such UPS screwups are only temporary. As soon as they learn how to use \*\*OUR\*\* 220-222 MHz frequencies, they should be much better at their deliveries :)

Greg KD9AZ  
glapin@nwu.edu

-----

Date: 3 May 93 20:29:46 GMT

From: mvb.saic.com!unogate!news.service.uci.edu!orion.oac.uci.edu!  
easu348@network.UCSD.EDU  
Subject: Zed in callsign:what is it, where come from?  
To: info-hams@ucsd.edu

Hi folks!

I'm a new HAM, and I have one maybe stupid question that the FAQ does not begin to cover. Here in California (hopefully elsewhere) HAMS with a "Z" in their callsign sometimes say the (word?) "zed" instead of just plain "Z". I'm wondering why, and where it came from, if anyone knows. Oh, and it's not just another replacement for "zulu", it's instead of the letter Z. Thanks for everyone's help.

Andrew

--

Andrew Parker |           KD6TGM           |           easu348@orion.oac.uci.edu

-----

Date: 3 May 1993 23:04:12 GMT  
From: ucsd.edu!brian@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <2MAY199318341194@nssdca.gsfc.nasa.gov>,  
<1993May3.015821.8373@nntpd2.cxo.dec.com>,  
<1993May3.171950.10220@mnemosyne.cs.du.edu>  
Subject : Re: no-code defense

Strongly-flavored words are not, in themselves, "childish" or "immature". They can be used that way, and often are by the uneducated. These same people often use such words because they have inadequate means of expressing themselves.

However, those same words convey a flavor and a strength of emotion that CANNOT be expressed in any other way. When they are chosen by a mature and well-educated individual because he needs that degree of expression, the words are not inappropriate.

The two usages are different. Please try to recognize the difference. It is not the words themselves that are the problem. Sometimes no other expression will do to adequately express one's thoughts.

That some find these certain words unconditionally offensive is often a reflection of the childishness and immaturity of the listener.

Golly, for the second time this year, I've agreed with Jay Maynard.  
I must be sick.

- Brian



-----

End of Info-Hams Digest V93 #533

\*\*\*\*\*